

*Official copies of these procedures are maintained at this website.
Before using a printed copy, verify that it is the most current
version by checking the document issue date on this website. Signed
copies of these official procedures are maintained at the Training Office.*

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

8.7.2.a Range D Working Hot Permit to Measure the Magnet Temperatures
in the AGS Ring and Booster Ring

Text pages 2

C-A OPM Procedures in which this Attachment is used.

8.7.2		

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Approved: _____ *Signature on File* _____
Collider-Accelerator Department Chairman Date

J. Sandberg

BROOKHAVEN NATIONAL LABORATORY

COLLIDER-ACCELERATOR DEPARTMENT

AGS RING MAGNET HEAT RUN

RANGE D WORKING HOT PERMIT TO MEASURE THE MAGNET TEMPERATURES IN THE
AGS RING AND BOOSTER RING

PERMIT NO. _____

This permit is required for C-A personnel who enter the AGS tunnel or Booster tunnel for the purpose of measuring the ring magnet, bus, and cable temperatures with an infrared non-contact temperature meter (ITM) while the magnets are in an energized state.

LOCATION: The AGS tunnel in Building 913 or Booster tunnel in Building 942.

DESCRIPTION OF TASK: To enter and go around the AGS ring tunnel or Booster ring tunnel to locate magnet or bus temperature "hot spots" using an ITM. The magnets are energized and tunnel access is "controlled". The maximum voltage to ground is ± 3.0 kV dc. The maximum current is 6 kA pulsed dc.

JUSTIFICATION: Work must be done while the magnets are energized, to determine adverse temperature conditions and under operating conditions.

PERIOD: From _____ TO _____

ISSUED TO: See attached list.

Name	Life #

WORK PERFORMED ON: _____

SAFETY WATCH: _____

HAZARDS: High currents, live terminals, auxiliary circuits, energized, electric shock, sparks, arcs, melting, fire burns.

PROCEDURE OF TASK: AGS-OPM 8.7.2.

PREREQUISITES: Persons performing the tasks have been trained in C-A Access, electrical safety, lockout/tagout, site specific OJT and radiation work, Procedure 8.7.2. Film badge and dosimeter required.

SUPERVISOR: _____

APPROVED BY: _____ **DATE:** _____

Copy of approved form to be sent to the Department ESH Coordinator and Facility Support (FS) Representative.

Copy of executed permit to be posted by the entrance of the AGS tunnel or Booster tunnel.